

**REMARKS**

Claims 26-30 are added herein. Claims 6 and 19 are canceled herein. Claims 1-5, 7-18 and 20-30 are now pending in the application.

**Allowable Claim**

The Applicants thank the Examiner for the indication that claims 8-10 and 20-22 recite allowable subject matter. Claims 8-10 and 20-22 are amended herein to be in independent form. Claims 8-10 and 20-22 are now in condition for allowance.

**Claims 1-5, 11-18 and 23-25 over Vaisanen and AAPA**

In the Office Action, claims 1-5, 11-18 and 23-25 were rejected under 35 U.S.C. §102(e) as allegedly being anticipated by U.S. Patent No. 6,560,443 to Vaisanen et al. ("Vaisanen"), with claims 6, 7 and 19 rejected under 35 U.S.C. §103(a) as allegedly being obvious over Vaisanen in view of Applicant's Admitted Prior Art ("AAPA"). The Applicants respectfully traverse the rejection.

Claims 6 and 19 are canceled herein. However, similar limitations found in claims 6 and 19 were added to claims 1 and 14.

Claims 1-5, 7, 11-18 and 23-25 recite, *inter alia*, a system and method time multiplexing transmissions from a first radio system and a second radio system.

The Office Action acknowledges that Vaisanen fails to disclose time multiplexing transmission from a first radio system and a second radio system (Office Action, page 5). However, the Office Action relies on AAPA to make up for the deficiencies in Vaisanen to arrive at the claimed invention. The Applicants respectfully disagree.

AAPA discloses a Time-Division Duplex scheme used for a full-duplex Bluetooth transmission. Slots can be reserved for synchronous packets. Each packet is transmitted in a different hop frequency. A packet nominally covers a single slot, but can be extended to cover up to five slots.

Thus, AAPA disclose a Time-Division Duplex scheme used in a single radio system, i.e., for a full-duplex Bluetooth transmission. AAPA fails to disclose or suggest a system and method time multiplexing transmissions from a first radio system and a second radio system, as recited by claims 1-5, 7, 11-18 and 23-25.

Moreover, the Office Action alleges that it would have been obvious to one with ordinary skill in the art at the time of the invention to include the time multiplex transmissions for allowing both systems to transmit data for sharing resources (Office Action, page 5).

Even if AAPA disclosed a system and method of time multiplexing transmissions from a first radio system and a second radio system (which as discussed above AAPA fails to do), Vaisanen discloses that simultaneous operation is limited to a receive mode of a WLAN module when a Bluetooth radio is operational, either in the receive or the transmit mode, in order to protect the Bluetooth transceiver from permanent damage (col. 6, lines 49-53). Thus, the Examiner's modification to include the time multiplex transmissions for allowing both systems to transmit data for sharing resources would result in permanent damage to Vaisanen's invention. Alternately, Vaisanen uses two antenna and two transceivers, failing to share resources and eliminating the need to multiplex transmissions since they could theoretically operate at the same time, at the expense of possible damage.

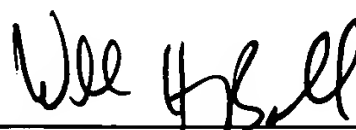
Neither Vaisanen nor AAPA, either alone or in combination, disclose, teach or suggest a system and method time multiplexing transmissions from a first radio system and a second radio system, as recited by claims 1-5, 7, 11-18 and 23-25.

Accordingly, for at least all the above reasons, claims 1-5, 7, 11-18 and 23-25 are patentable over the prior art of record. It is therefore respectfully requested that the rejection be withdrawn.

**Conclusion**

All objections and rejections having been addressed, it is respectfully submitted that the subject application is in condition for allowance and a Notice to that effect is earnestly solicited.

Respectfully submitted,  
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